

CLOUD COMPUTING

NEEMIIT INTERNSHIP PROJECT

TEAM-1

PROJECT NAMES : 1. HOTEL MANAGEMENT 2. THE TERM POWER

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THE TERM POWEER

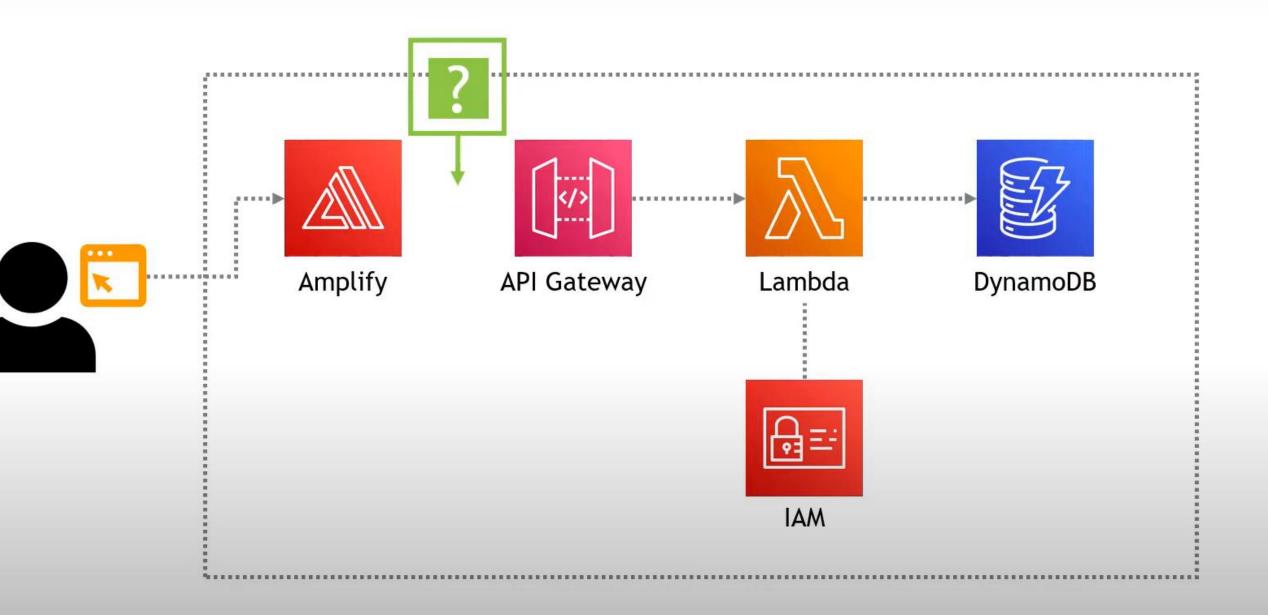
The Term Power it means the power of math

To Build an End-to-End AWS Web Application

AWS Services

- 1.AWS Amplify
- 2.AWS Lambda
- 3.Amazon API Gateway
- 4.Amazon DynamoDB
- 5.AWS IAM

The Current Architecture

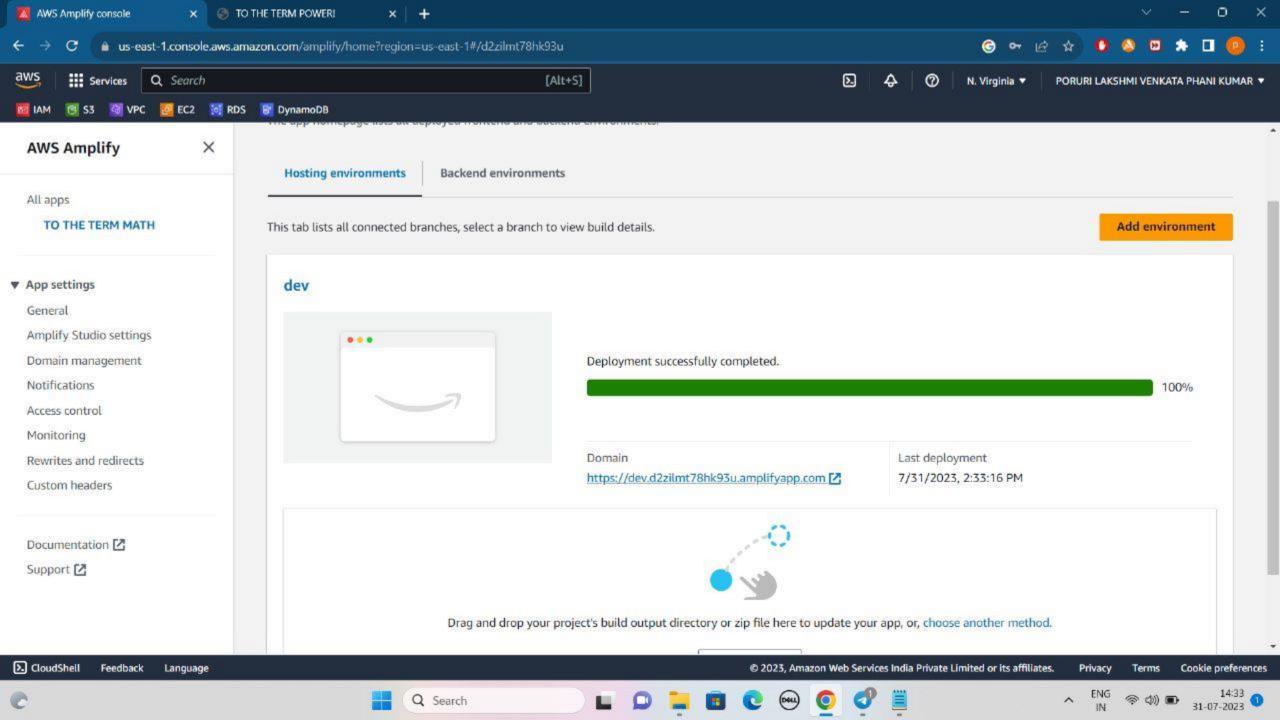


AWS AMPLIFY



Used to build and host website

You can use Amplify to connect your frontend application to various backend resources through APIs.



- 0 X XX AWS Amplify console X ® TO THE TERM POWER! 년☆ 🚺 🔕 🖾 🖈 🔲 📵 🚼 ← → C 🐞 dev.d2zilmt78hk93u.amplifyapp.com

TO THE TERM POWER!



























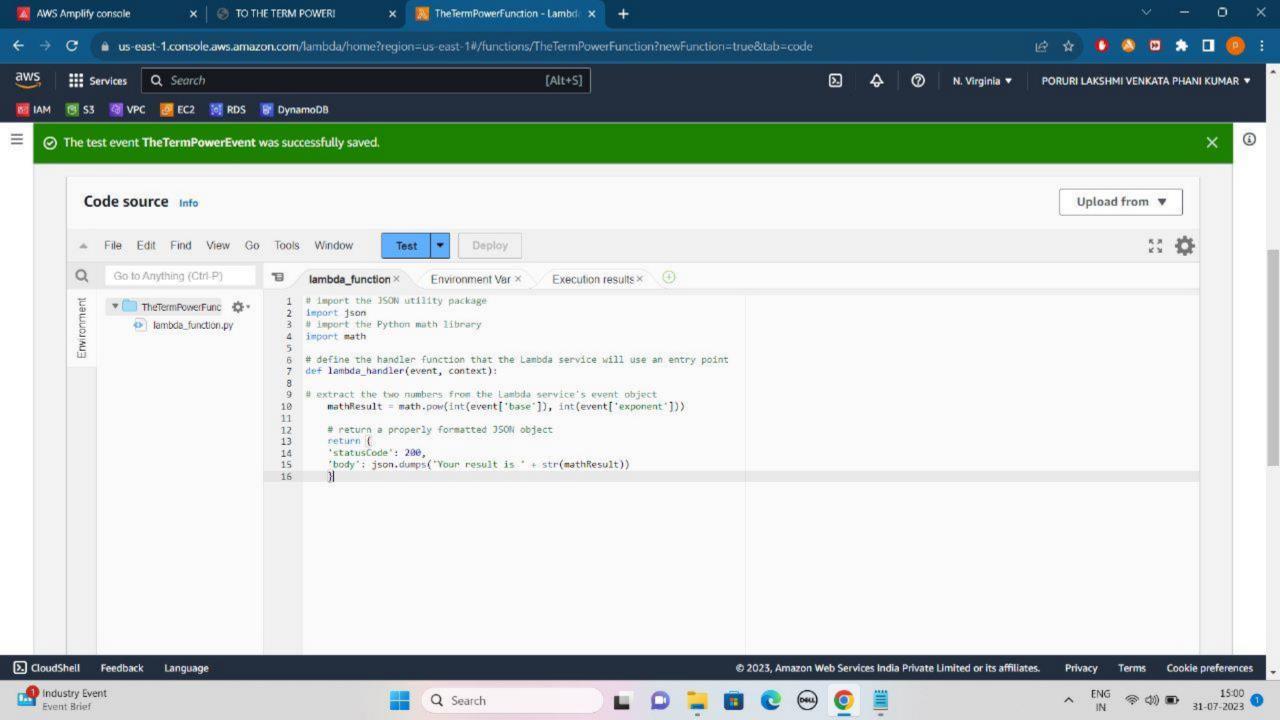


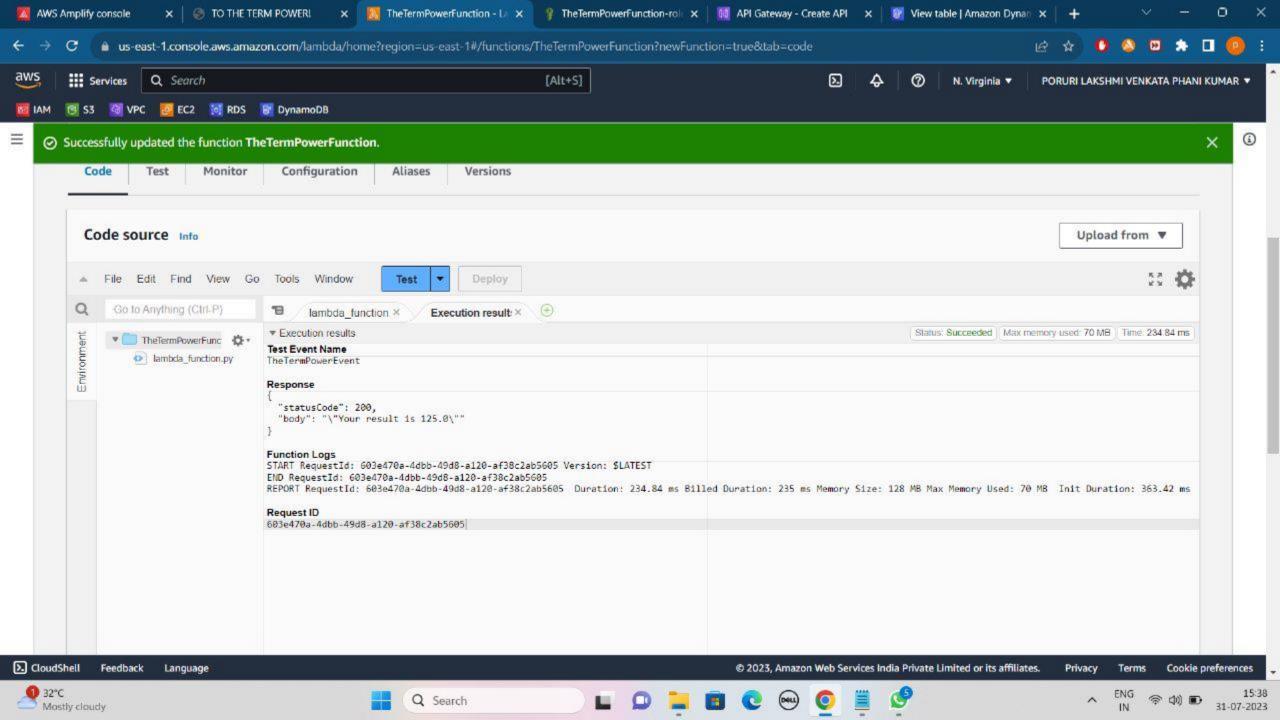
AWS LAMBDA



Code that runs upon some triggers

It allows you to run code without the need to provision or manage servers.



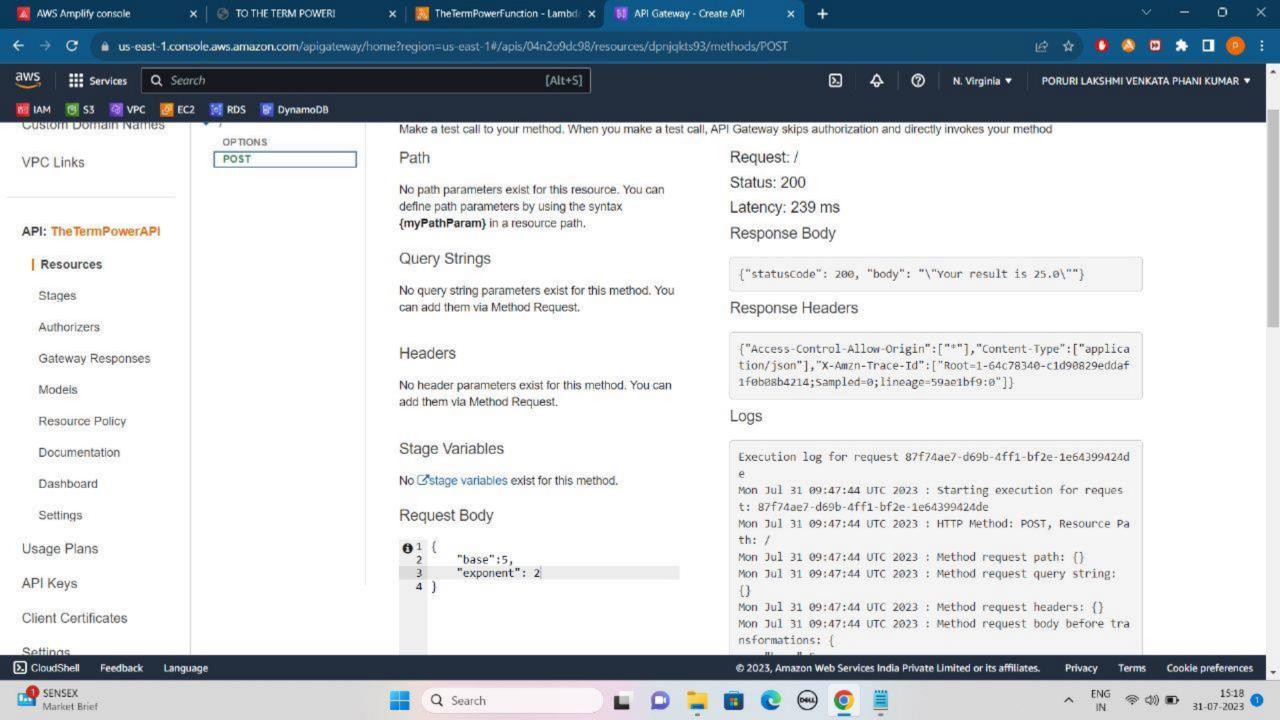


AMAZON API GATEWAY



API Gateway" refers to Amazon API Gateway

API Gateway enables you to create RESTful APIs, WebSocket APIs, or HTTP APIs

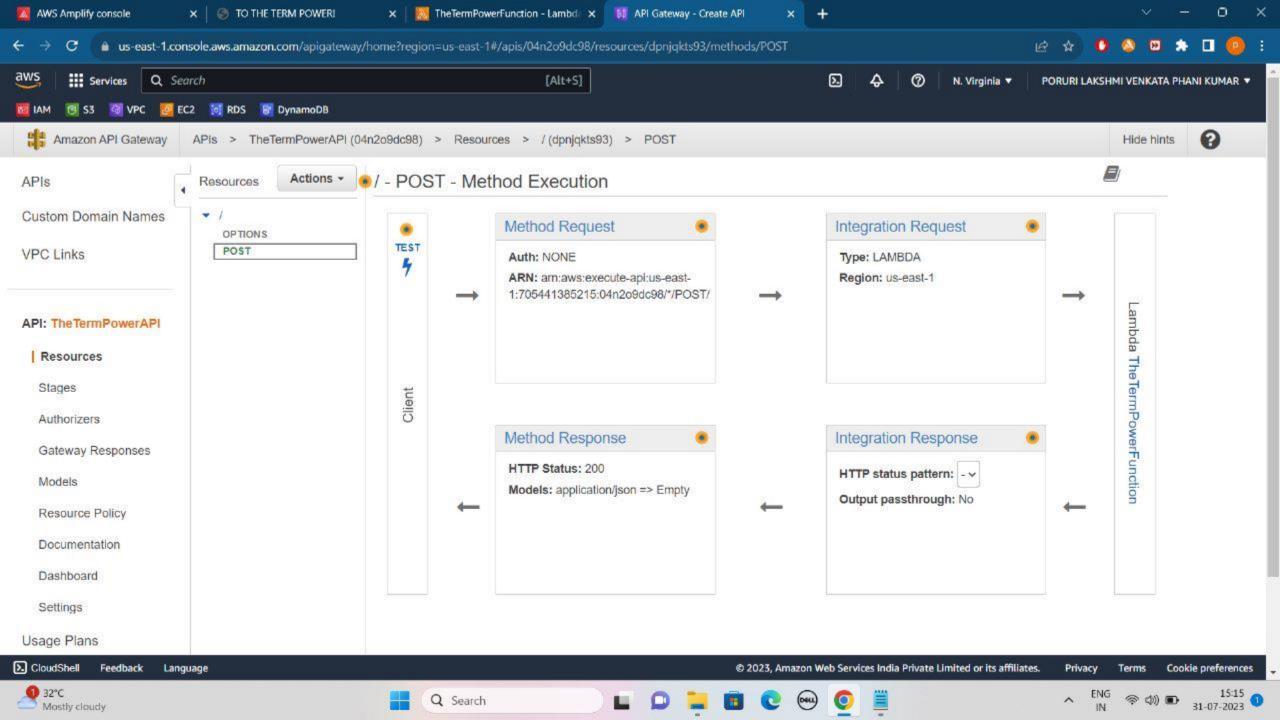


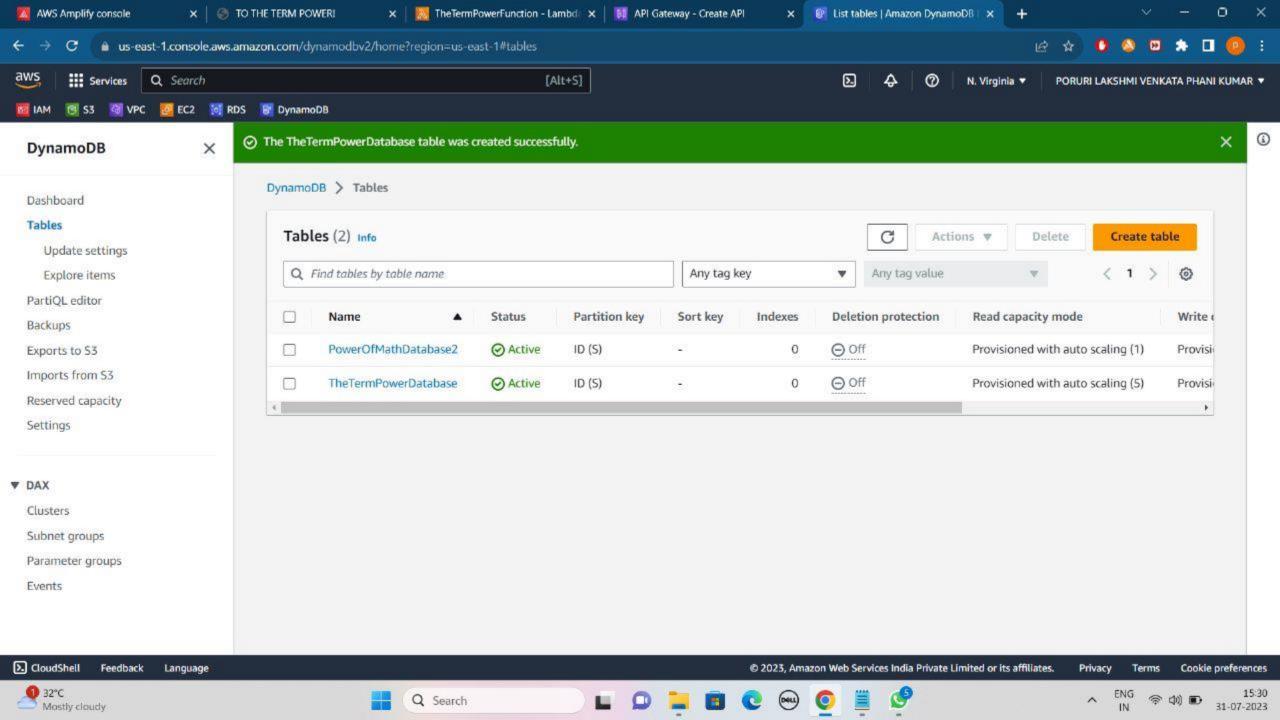
AMAZON DYNAMODB

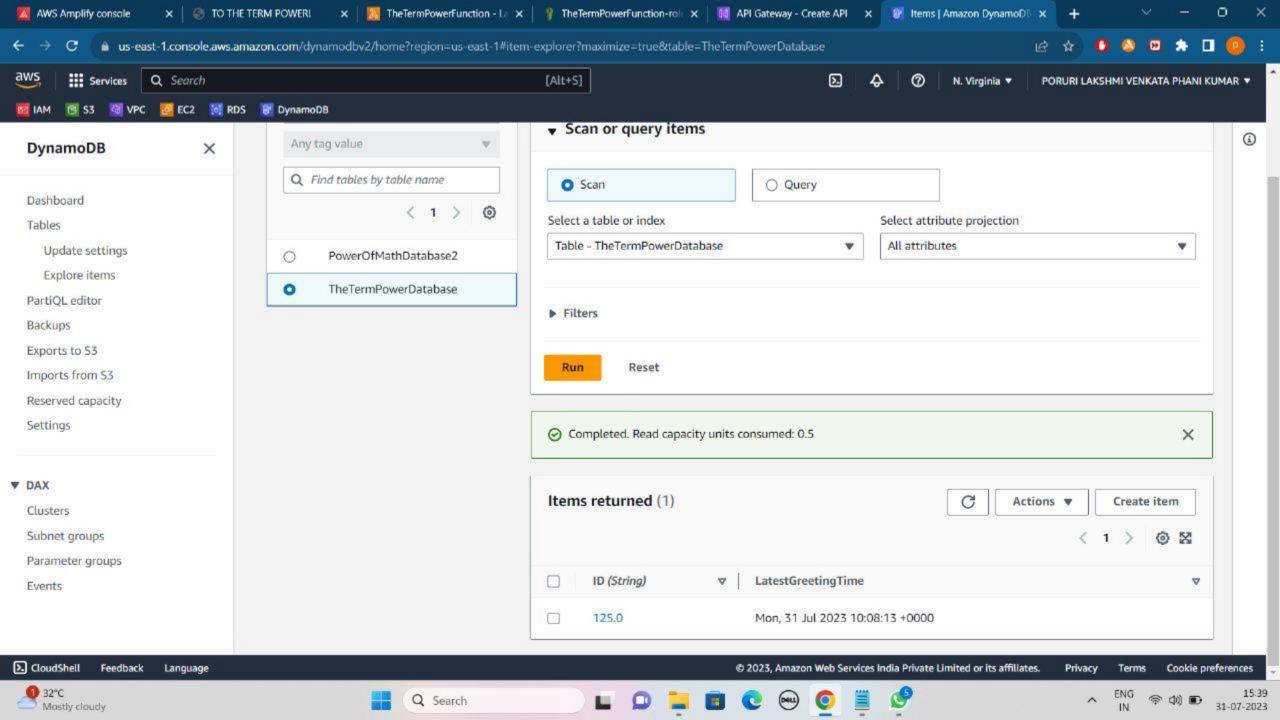


Amazon DynamoDB is a fully managed NoSQL database service provided by AWS

It offers developers a scalable and highperformance database solution without the complexity of managing traditional databases.





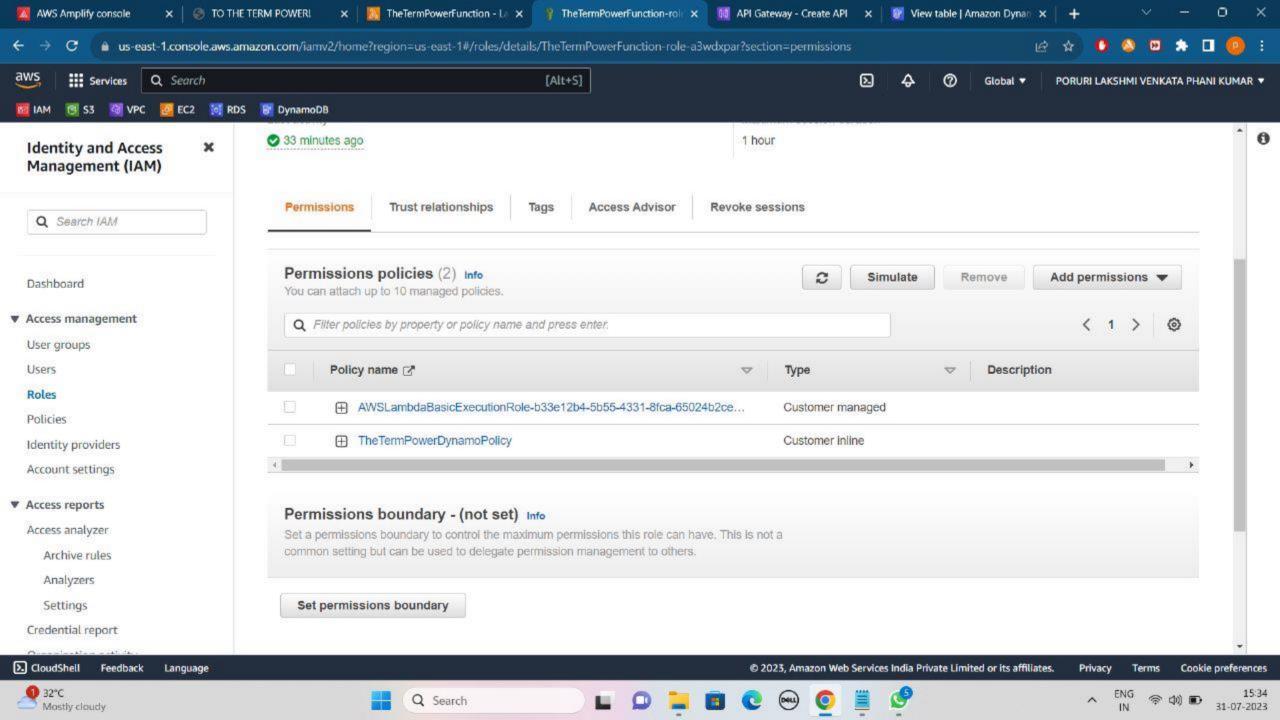


AWS IAM



It means identify & access managment in AWS

set permissions on the execution role for lambda





FINAL RESULT





























CLOUD COMPUTING INTERNS



HOTEL MANAGEMENT



S3 BUCKET

A Bucket is a container FOR OBJECTS TO STORE USER DATA IN AMAZON S3.

Usage:

We can use amazon s3 bucket to store and receive any amount of data at any time from anywhere.

LIVE EXAMPLES:

IOT Data Storage

Mobile app development

Data Warehouse

Data Migration and Transfer





Objects:-

Objects are the entities which are stored in an S3 bucket.

An object consists of object data and metadata where metadata is a set of name-value pair that describes the data.

Properties:

- When you create an S3 bucket, you will have a management page where you can manage your bucket. On this page, if you click the *Properties* section, you will see a bunch of sections.It consists of
- ✓ Bucket Overview
- ✓ Bucket Versioning
- ✓ Tags
- ✓ Default Encryption
- ✓ Intelligent-Tiering Archive configurations
- ✓ Server Access Logging
- ✓ <u>Static Web Hosting:</u> Although S3 is an object-based storage solution, it can host static web pages. Since S3 is not a server, it cannot host dynamic web pages. To bring a static web page to live, first, the web page files are uploaded to the S3 bucket. "*Static web hosting*" feature is activated and the web page will be accessible in a few seconds after the path information of the index page and error page is given.

STEPS TO CREATE S3 BUCKET:

At first we should create s3 bucket.



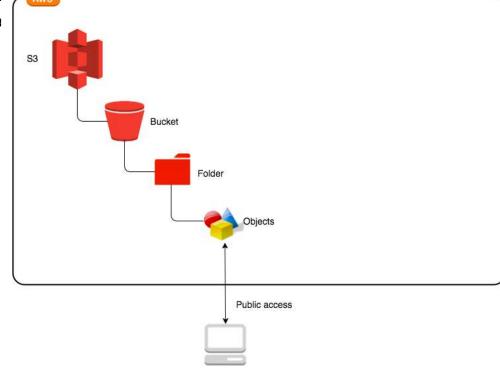
Next we should to edit the properties.



Now we have to give permission.



ACL permission should be enabled.



By adding the files to the bucket, we can fill the bucket with the files.



Now make all files public.



• At the final we navigate to the properties and open the link.

STEPS FOR CREATING S3 BUCKET

- Create an AWS Account: If you don't have one, sign up for an AWS account at https://aws.amazon.com/.
- STEP-1:Access the AWS Management Console: Log in to the AWS Management Console using your AWS account credentials.
- STEP-2: Navigate to S3: Once logged in, navigate to the S3 service from the AWS Management Console dashboard.
- STEP-3:. Create a Bucket: Click on the "Create bucket" button and follow the instructions to set up your S3 bucket. You'll need to choose a unique bucket name, select a region for the bucket, and configure any optional settings.



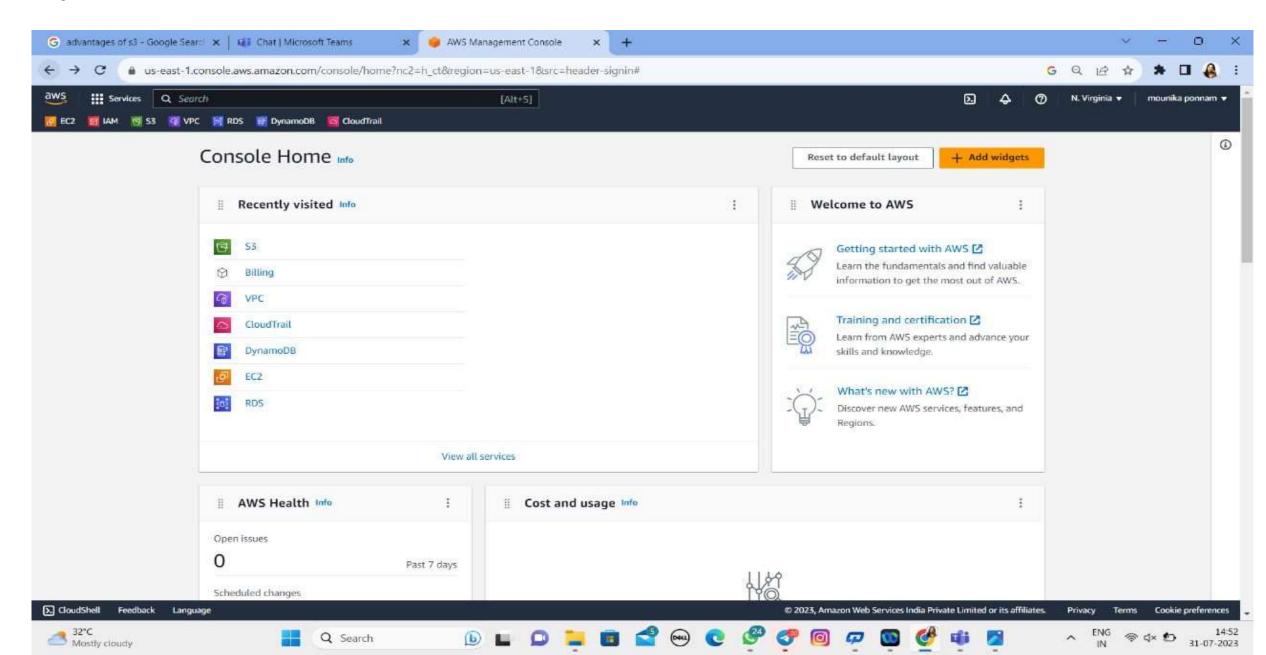
STEP-4: Set Bucket Permissions: By default, the bucket and its objects are private. Depending on your use case, you might need to configure bucket policies or Access Control Lists (ACLs) to manage access permissions.

STEP-5: Upload and Manage Objects: Once the bucket is created, you can start uploading files or objects to it using the AWS Management Console, AWS SDKs, or AWS CLI.

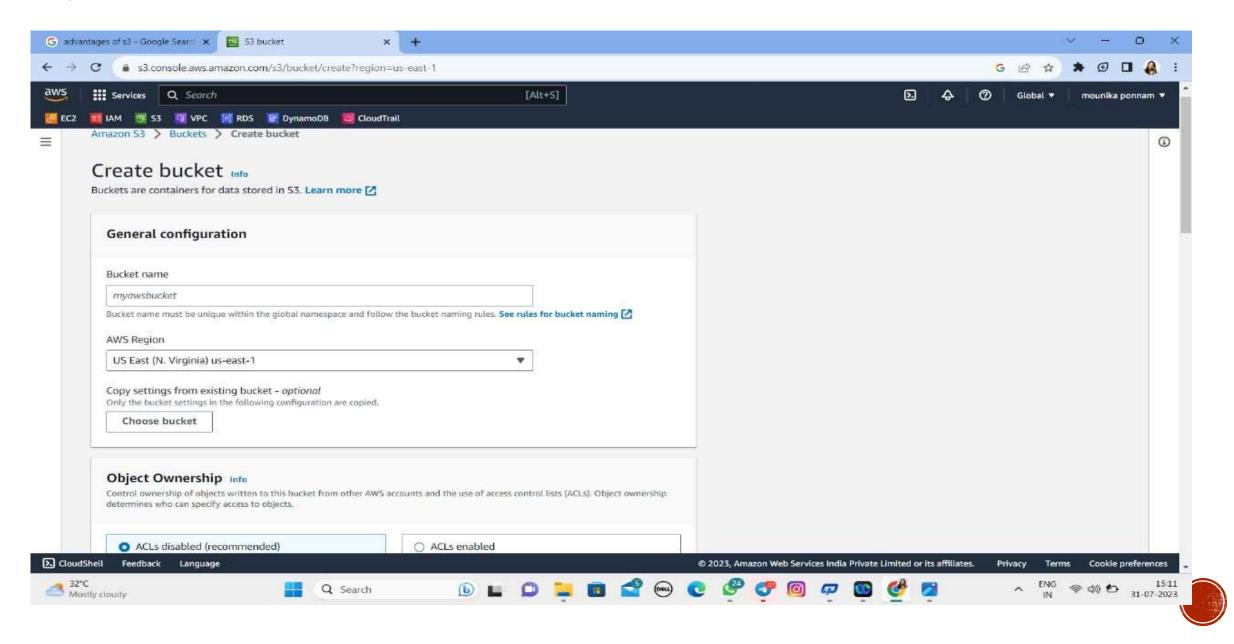
STEP-6: Integrate with Applications: To use the S3 bucket in your applications or services, you'll need to interact with the AWS SDKs or APIs provided by AWS for your preferred programming language.



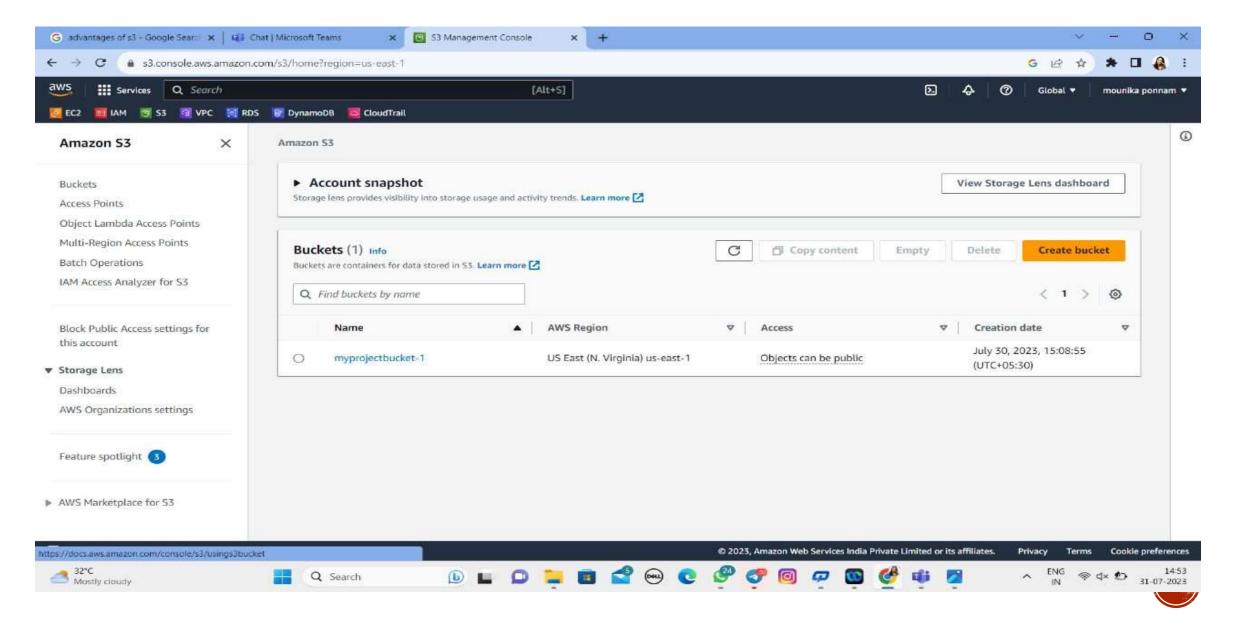
STEP-1



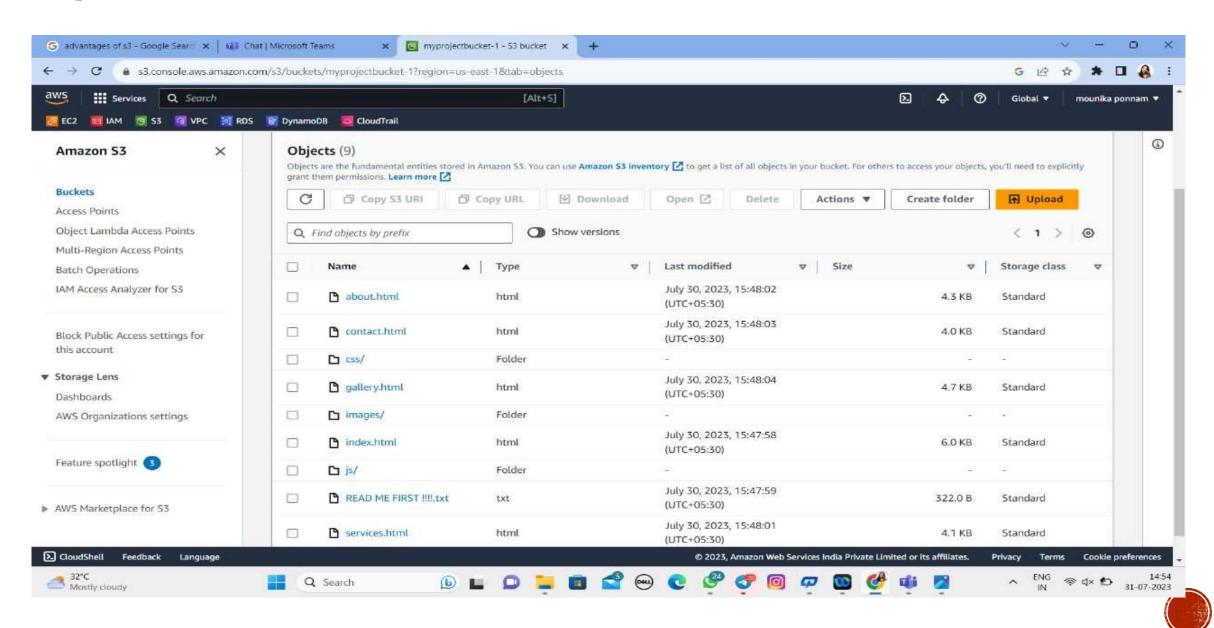
STEP-2:



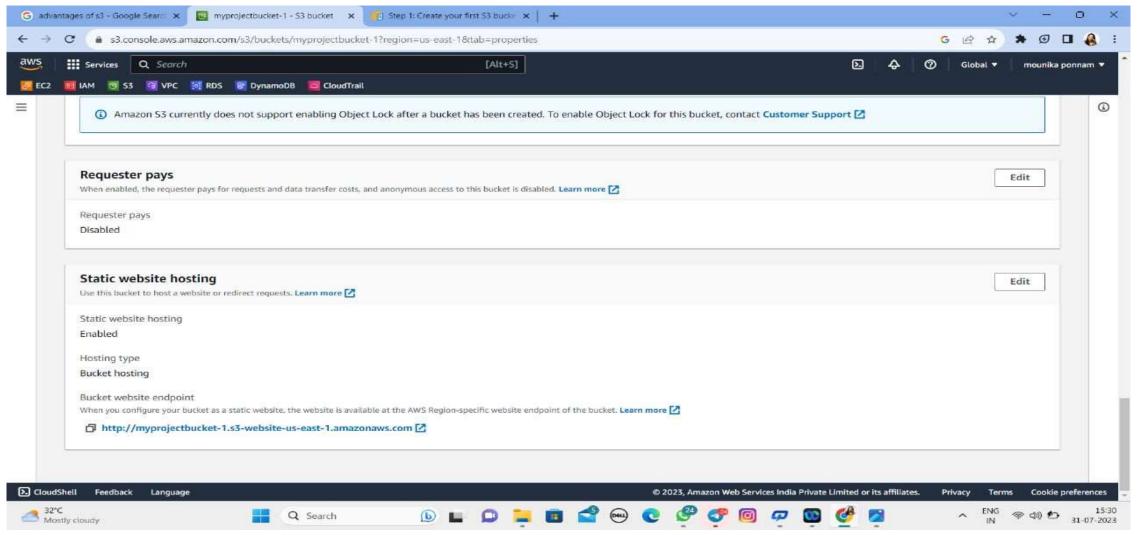
STEP-3:



Step-4:



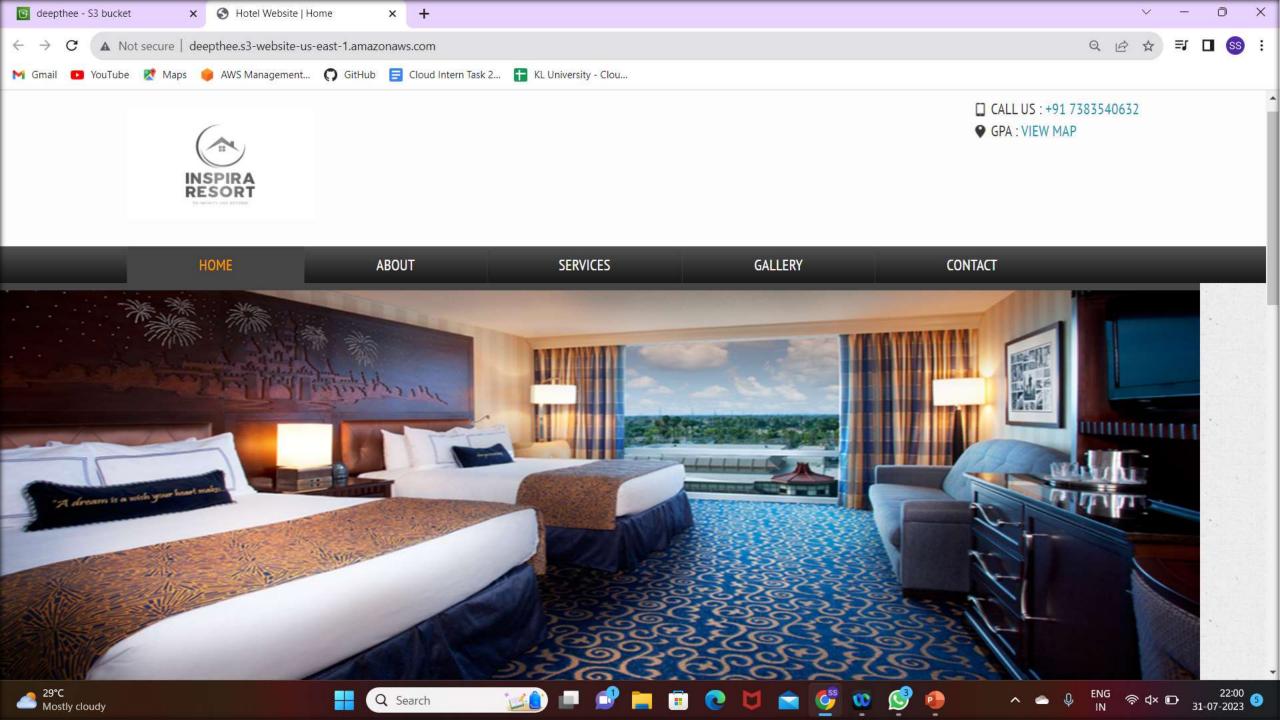
STEP-5:

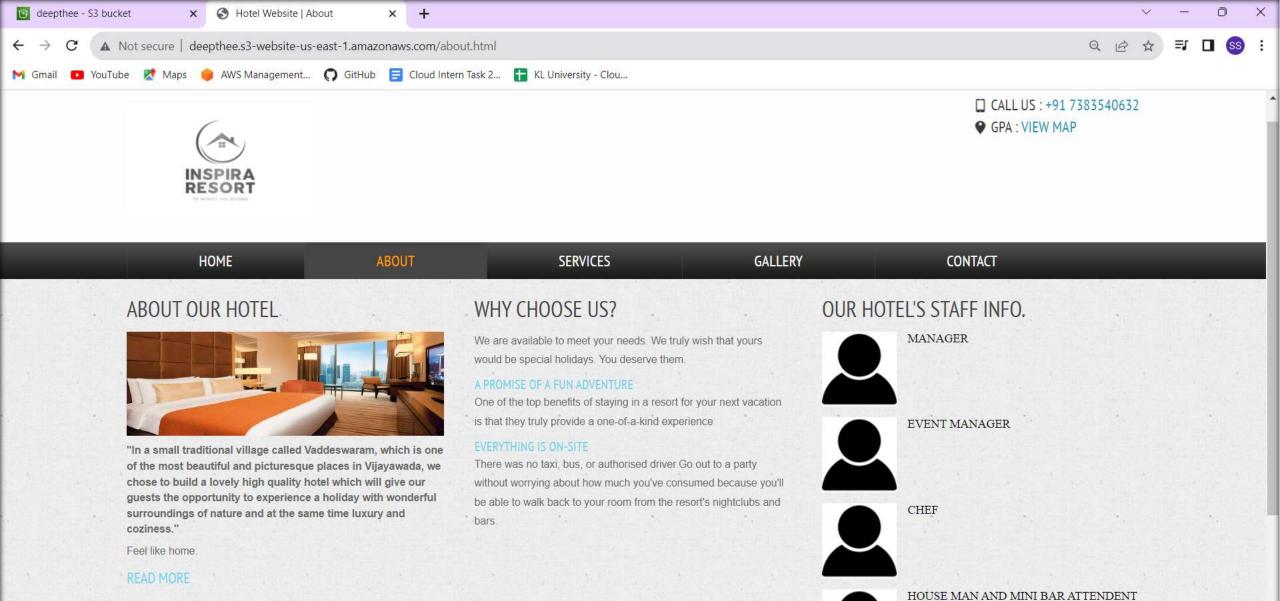




LETS SEE.... OUR INSPIRA RESORT WEBPAGE DEVELOPED BY USING AWS S3 BUCKET

































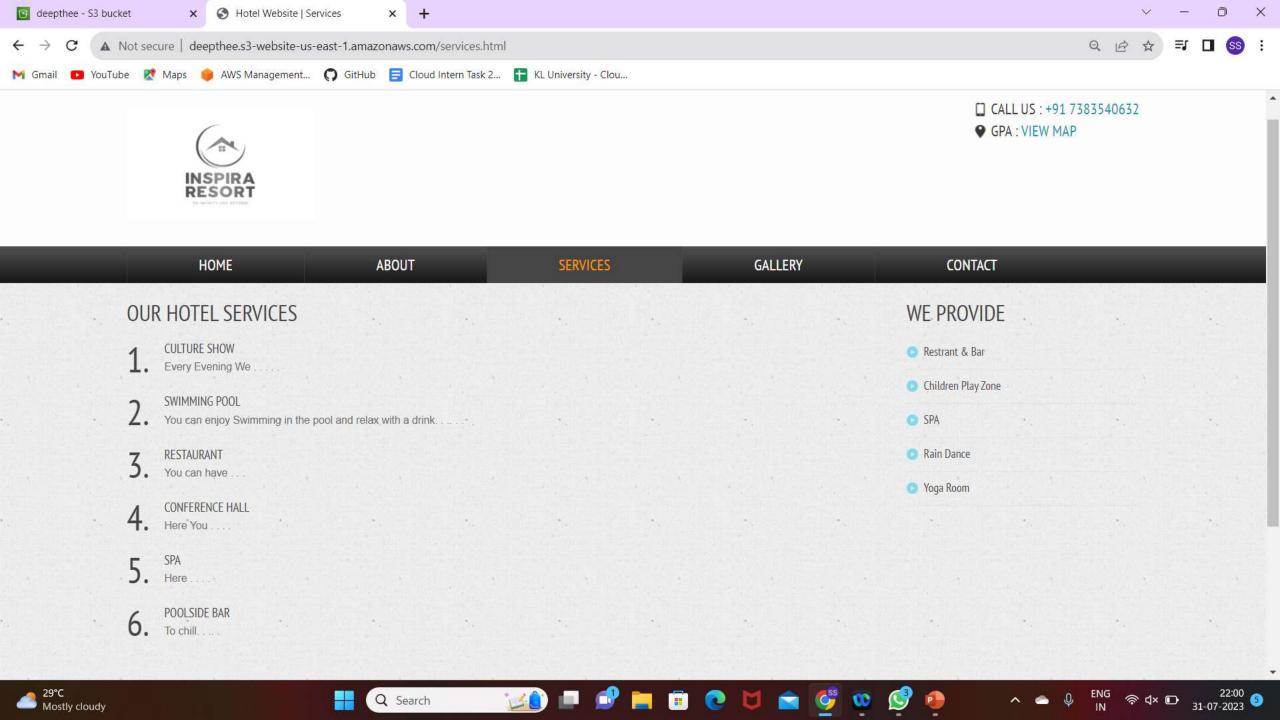














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GALLERY



KING ROOM

A room with a king-sized bed. May be occupied by one or more people.

READ MORE



PRESIDENTIAL SUITE

The most expensive room provided by a hotel. Usually, only one president suite is available in one single hotel property. Similar to the normal suites, a president suite always has one or more bedrooms and a living space with a strong emphasis on grand inroom decoration, high-quality amenities and supplies, and tailormade services (e.g. personal butler during the stay).



HOLLYWOOD TWIN ROOM

A room that can accommodate two persons with two twin beds joined together by a common headboard.

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CONNECTING ROOMS

Rooms with individual entrance doors from the outside and a connecting door between. Guests can move between rooms without going through the hallway.

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MINI SUITE

A single room with a bed and sitting area. Sometimes the sleeping area is in a bedroom separate from the parlour or living room.

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VILLA

A special form of accommodation which can be found in some resort hotels. It is a kind of stand-alone house which gives extra privacy and space to hotel guests. A fully equipped villa contains not only bedrooms and a living room but a private swimming pool, Jacuzzi and balcony. It is suitable for couples, families and large groups

READ MORE





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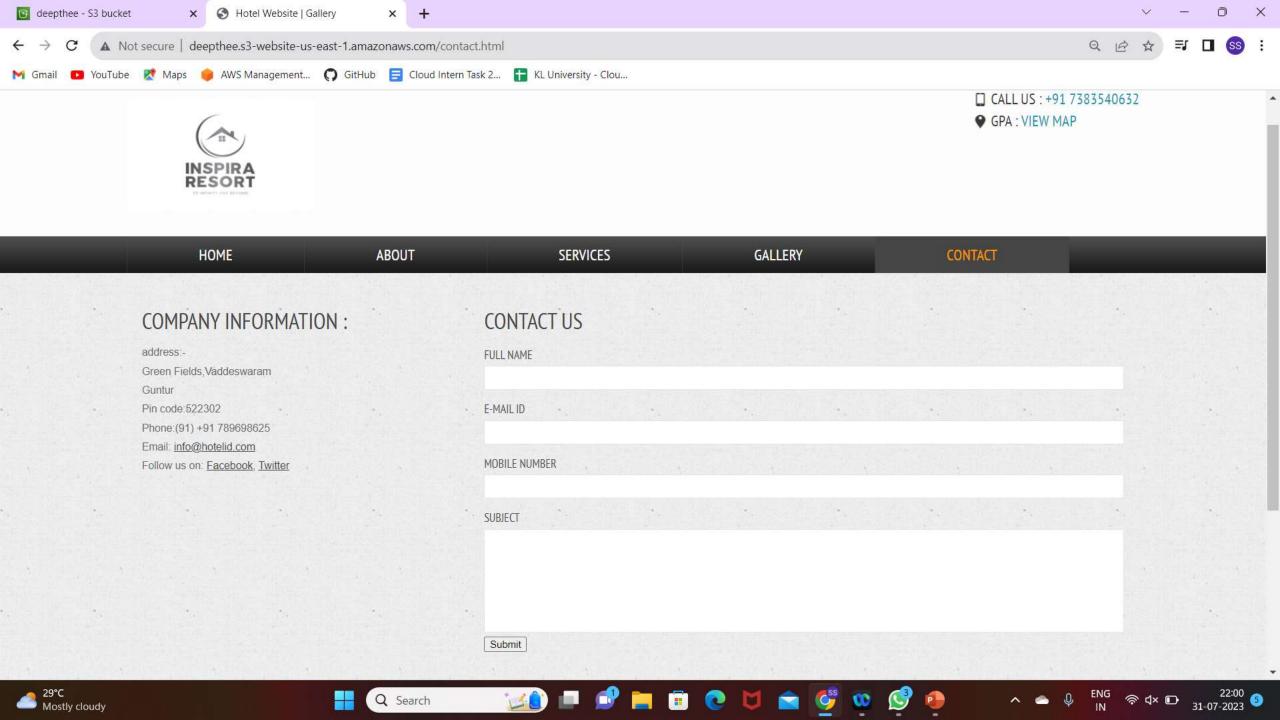














Successful Project







ON TIME

TEAMWORK

WITHIN BUDGET

